

# REPLACEMENT SHEET



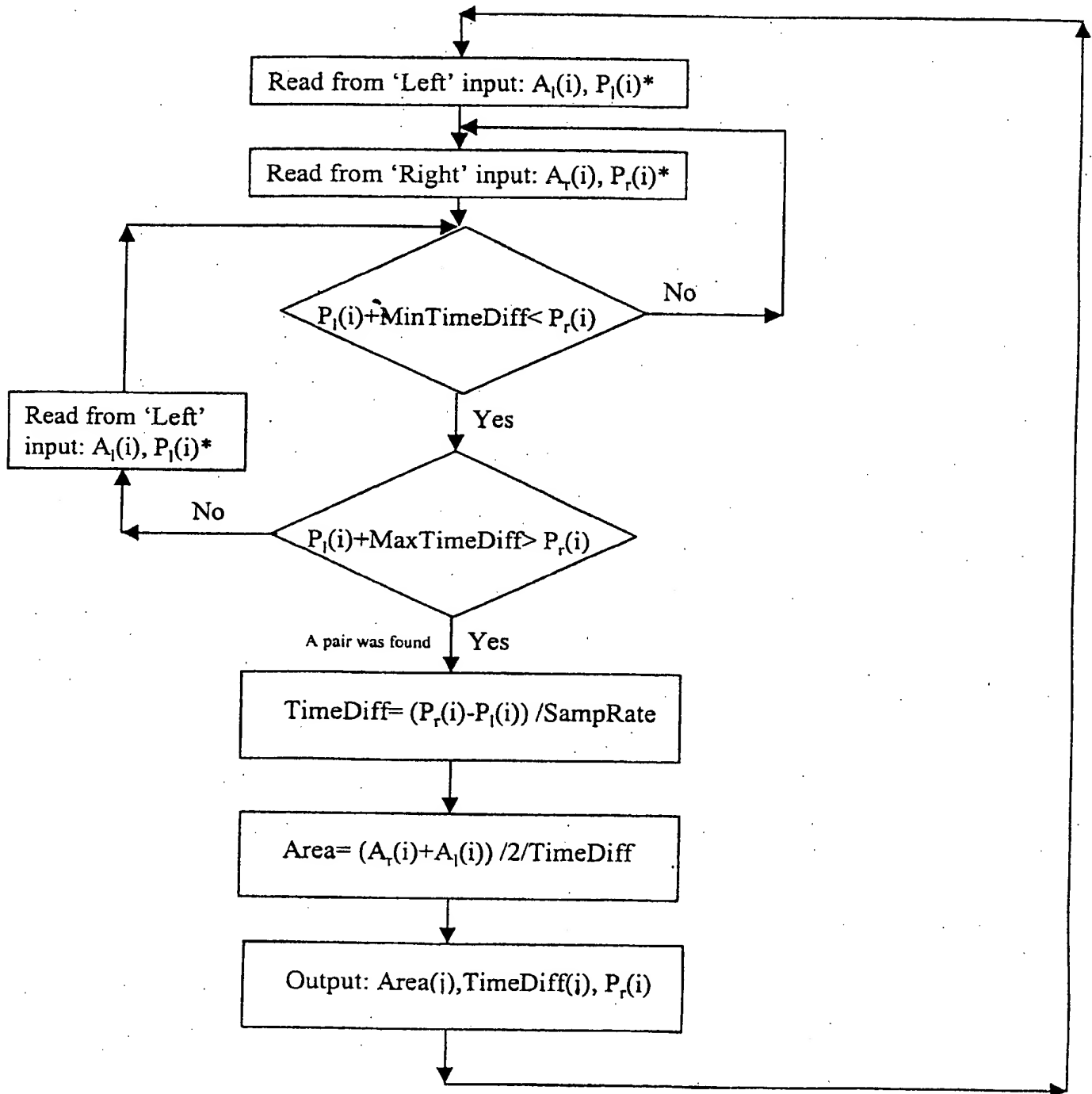
## ArVlAnalyzer

Input: two files (one for each line scan).

Each file contain 2 vectors one of Positions ( $P(i)$ ) and the other has the corresponding Area ( $A(i)$ )

Output: three vectors - Area, TimeDiff (inversely proportional to velocity), Position

Parameters that can be determined - MinTimeDiff, MaxTimeDiff



Position is presented in point number and not time

TimeDiff is in Seconds and is inversely proportional to the velocity

\* Program ends when one of the input files ends

FIG. 8

# REPLACEMENT SHEET

**ChDiv**

Input - two vectors:  $Y(i)$  - channel 1 - square wave - chopping signal,  $0 \leq Y_i \leq 1$

$X(i)$  - channel 2 - fluorescence raw data - from the detecting region (both line scan)

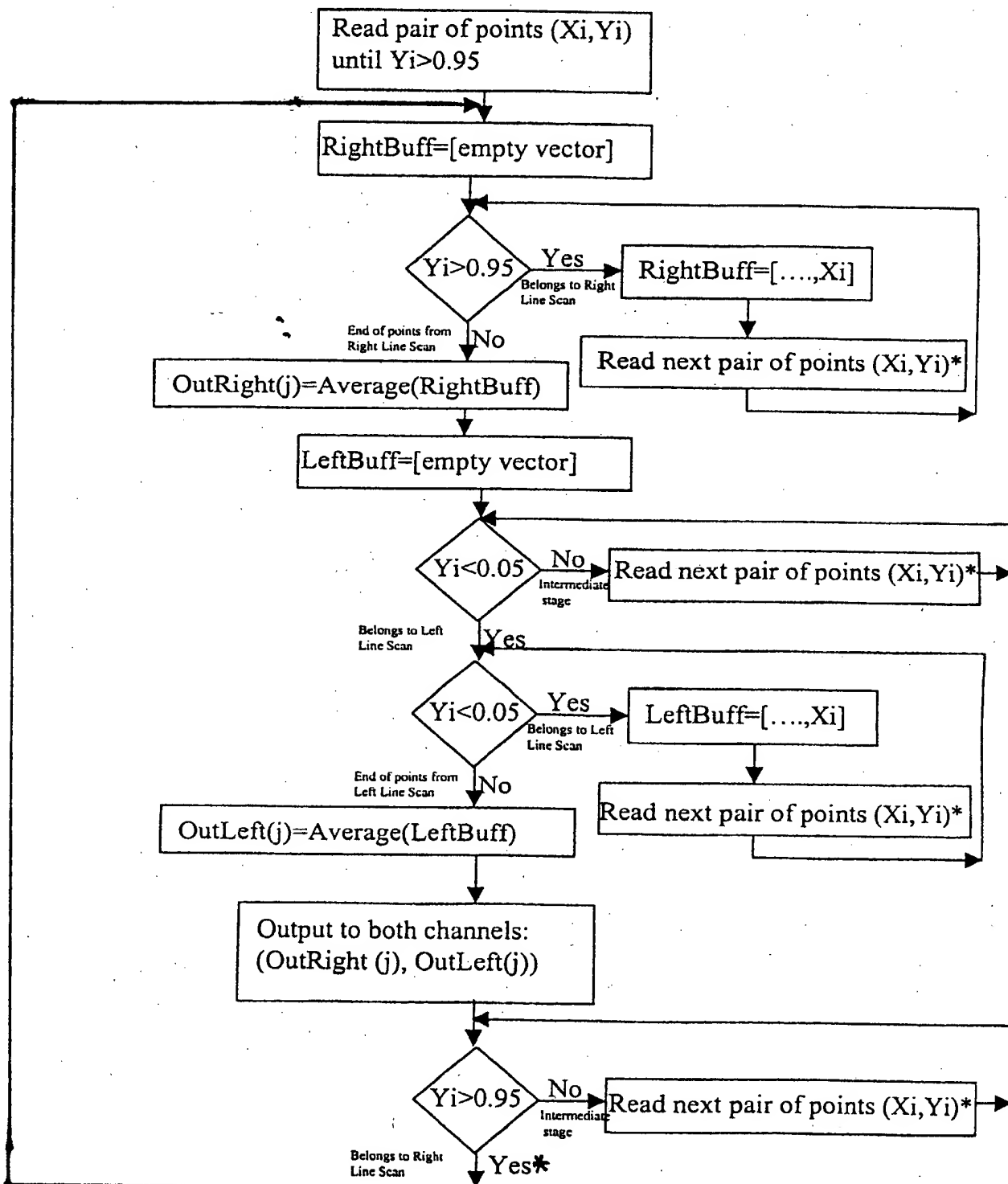
Usually Sampled at 40KHz

Output - two vectors:  $OutRight(j)$  - fluorescence from Right Line scan

$OutLeft(j)$  - fluorescence from Left Line scan

Usually Sampled at 5KHz

The sampling rate of the output channels always equals the frequency of the chopping signal



\* Program ends when input file ends

FIG. 7